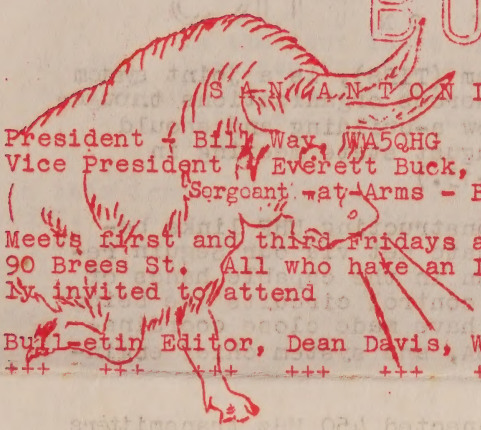
JULY
VOL.3

1972
No.5

BULL-ETIN



S A N A N T O N I O R A D I O C L U B

President - Bill Way, WA5QHG Secretary - Bill Ross, K5LLK
Vice President - Everett Buck, W5SJP Treasurer - Frank Box, WA5VFM
Sergeant-at-Arms - Brenda and Linda Trappe

Meets first and third Fridays at 7:30 p.m. at the Red Cross building 90 Brees St. All who have an INTEREST in amateur radio are cordially invited to attend

Bull-etin Editor, Dean Davis, W5BGE Typist, Maybelle Davis, XYL

+++ +++ +++ +++ +++ +++ +++ +++ +++ +++ +++ +++

"By the Way" by WA5QHG

There are many ways for measuring the success of Field Day--the number of operators, stations, contacts--the fun, food, heat, cost, etc. It seems this year we excelled in all these criteria. Even with the heat (no rain this time) everybody was giving all they had to work and have fun. Both Frank W5QMH and I appreciate your efforts. Many thanks to the Red Cross for the excellent food that kept us going. We appreciate the area hams support in their contacts with us.

There were a minimum of problems this year (nobody fell out of a tree) However, Mike WB5FUS, Chairman of Emergency Preparedness, was delayed about 5 hours trying to get his rig to load. Incidentally, Mike worked Lynn Birdsong so hard that the seat of his trousers gave way! Emergency! Aubrey K5MOF didn't make many contacts while calling - "C Q Field Day" into a rock! Ray W5HBI had good luck hustling gear out of the trunk of his car. DaveWA5VAG took many pictures of the FD operation and showed them at the 7 July meeting. Bob W5PKK won the FD suggestion contest--a FD attendance prize. The prize was a 2 M mobile antenna, won by Fred K5ONC.

All in all, FD was a great success. Let's give Frank W5QMH, the FD Chairman, a B-I-G hand! CUL, 73 Bill WA5QHG.

FIELD DAY STATISTICS BY W5QMH

SARC's annual FD operation was a complete success! All station managers and their assistants did a fine job.

There were 1918 contacts made, as opposed to 1365 last year. With a multiplier of 2, plus 230 bonus points, the grand total was 4166. (Last year was 2980.) Eight transmitter sites were in operation--same as last year. It was estimated that more than 125 amateurs and their families visited/participated in some way. More than 60 operators were used. Approx. 65 were fed at each of 3 meals by Red Cross.

It will be impossible to list all who helped as no such record was kept, but an attempt will be made: 20 Fone, 436 contacts: W5HBI, WA5WGA, WA5ZEG, WA5VDN, W5UPO and WA5YON. 15 Fone, 371 contacts: WA5JDU, WB5CIT, K5UKN and W5VPQ. 40 Fone, 359 contacts: WA5QHG, W5HYX, W5JKU, WB5EEF, K5HZR, K5BSH and Brenda. 20 CW, sponsored by S.A. Chapter of QCWA, 338 contacts: W5EJT, W5BE, W5IFL, W5LVE, W5HIV, W5IB, W5FZA, W5KCR, W5HHO, W5BGE, WA5VFM and Ken Keeler K2EIU/6, ex-S.A.er visiting from California. 40 CW, 190 contacts: WB5FUS, WB5FWY and WB5GBW. 75 Fone, 144 contacts: WA5RNV, K5MOF, WA5UYE, W5UPO, W5OI, WA5SDC, WA5JVX, W5UKN and WB5AAU. 2 FM, 48 contacts: W5PKK, WB5FNS, WB5FWI and K5YFW. Novice CW on 40-15, 25 contacts: WN5FJF, WN5EFC and WN5GFG. 6 Fone, 7 contacts: WA5UAM and Alan Wright.

The cost to the club for FD was $137.34 (which included 3 kegs of beer, soda pop, gasoline, ice, etc.) Again, thanks to all for a job well done!! 73, Frank W5QMH, FD Chairman.

PROGRESS REPORT ON TIRS

By W5QMU PRESIDENT TEX.VHF-FM SOCIETY

The Texas Intercity Relay System (TIRS), is a joint system of Texas VHF-FM Society and numerous organizations throughout Tex. The TIRS system is now a-building and should see tangible progress by the August state meeting in Austin (Villa Capri, August 12-13.)

The San Antonio Repeater Organization is constructing UHF links between the Bexar County Red Cross and the state net via our Seguin repeater site. Equipment conversion has begun in the capable hands of Rick K8AIT/5 and Bill WA5PJE. Solid state control circuits are being constructed by Jerry K5CFQ. Band openings have made close coordination with ex-San Antonian Nick Broline W5FUA, and system chief engineer, Bob Pace WA5CJG.

WHAT IS TIRS? TIRS is a system of interconnected 450 MHz transmitters and receivers under tone coded access and tone burst control. Such control allows interconnection of these relay stations in an area system, in a specific readily programmable pattern.

WHO WILL USE TIRS IN SAN ANTONIO? In San Antonio, we (San Antonio Repeater Organization and the San Antonio Radio Club, W5SC) are committed to support the Bexar County Red Cross. Since our city accepts refugees from valley disasters, we naturally provide communication to refugee shelters.

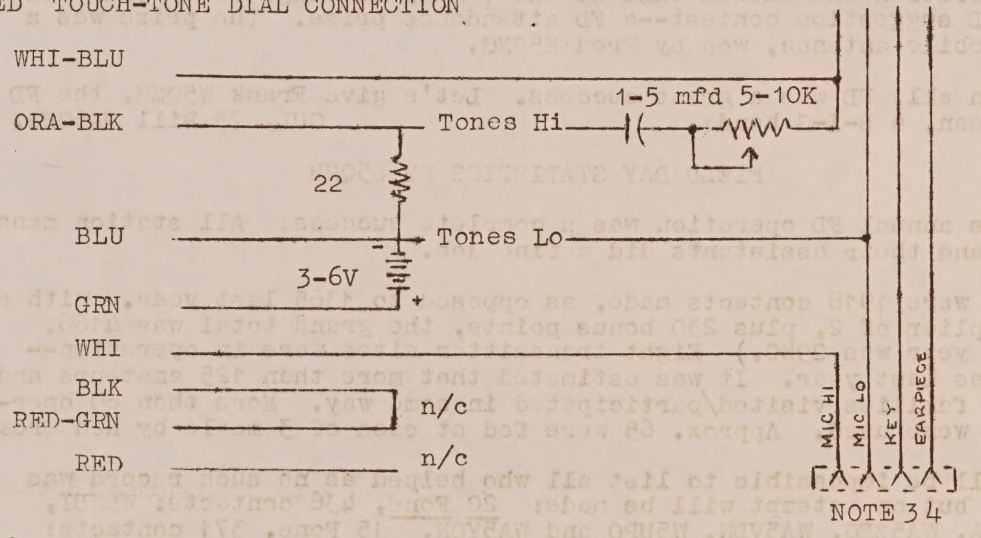
TIRS will provide the much needed relay communication for disaster traffic to and from flooded, blown, or burned areas. The present system links north, south, and east Texas population centers.

Details of disaster and non-disaster use of the system and much more will be found in the coming state bulletin. If you wish to join the state VHF-FM Society, please contact me for an application.

73, Larry W5QMU.

...- .... ..-. -..-. ..-. --

IMPROVED TOUCH-TONE DIAL CONNECTION



N O T E S:

1. Value of variable resister will change depending on size of coupling capacitor and level of signal desired.
2. Mic Hi and Mic Lo (pins 1 and 2 on mic connector) are not the same for all equipment check before connecting.
3. Circuit between white and white/blue leads is a NC switch which opens the mic hi lead when tone buttons are depressed. Its use is advised but not necessary for proper operation of the dial.
4. If other leads are present on some dial units, they are probably extra switching functions and can be isolated if not used.

W A R N I N G: MIC LO CANNOT BE GROUNDED!

TECHNICAL TOPICS

By W5LFM Cal Graf

In the last issue of the Bull-etin, San Antonio as a good location for DX was discussed. It was pointed out that W5LGG, Len Parsons, now W5GR, worked DX like mad from San Antonio but when he moved to Amarillo, DX did not come as easy.

In this issue, I want to discuss the exploits of Joe C. Patterson, W5VY. Pat has been working a lot of DX, though most of it has been on 28 mhz and up. Pat was licensed in December 1922 as 5VU, so he will soon round out a half century as a licensed ham, a feat recently accomplished by W5BE, Les Essington. Pat was 5VU from 1922-24, W5EHM from 34-46 and W5VY since 1946. He returned to the air in 1946 from San Antonio. Pat has worked all kinds of DX and techniques such as the following: moon bounce on 6 and 2 meters CW, meteor scatter on 2 meter CW, backscatter on 6 and 10 meter SSB, Sporadic E backscatter (that's rare!), transequatorial on 6 meter A3, tropo scatter and ducting on 2 meters, and off-great circle F_2 layer on 6 and 10 m. SSB

In 1946, W5VY and HC2OT started to work each other regularly on 6 m. in the early evening (1900-2100 CST) by means of transequatorial scatter. In this type signal path, the signals are very strong but there is a very fast flutter fade so that the voices are not easy to understand. Pat was one of the first in the country to work TE on 50 mhz and he would report this to QST. However, no one would believe him because 50 mhz is open only when the F_2 MUF is high when the sun is about at the midpath point. So Pat continued to work TE DX and no one would believe him. QST wanted Pat to send them his log or DX cards but he didn't want to trust them in the mails. So finally Ed Tilton, W1HDQ, from QST, came down to visit Pat and to see what all this TE noise was about.

For a number of years, W5VY held the world 50 mhz record with his 1947 contact with LU9MA. This contact was by direct F_2 layer and wasn't too rare because Pat has worked 32 countries and 50 states on 50 mhz. Pat also used to hold a 1200 mile 2 meter record for a number of years. This was established in June '50 and the path was apparently by Sporadic E, which was later shown by hams to occur much more frequently than was expected by the ionospheric physicists.

As of June '72, W5VY has worked 292 countries on 10 meter SSB. As a matter of fact in the 1971 CQ DX contest, Pat worked 112 countries on 10 meter SSB in a single 48 hour period. Imagine, DXCC in a single weekend! One might say that Pat gets out well from San Antonio.

Pat regularly works 10 meter SSB backscatter with W5GG, Dallas and W5ORH, Oklahoma City. I have heard all three of them in QSO with VK and ZL's, in the early evening as the MUF is still high out west. The three will egg the VK or ZL station into giving them a signal report on all three stations. Back comes the usual report as it has been for a number of years that the fellows have been working: Okie City is coming in good; Dallas, very good; and San Antonio extremely good. And there's that north-to-south location effect again. No matter what the other fellows do to their rigs, they can't beat out VY.

I've listened on 10 meter SSB and heard a distant DX station tell Pat, "You are the strongest signal on the band!" or "You are the only signal on the band!" When you hear that, you know something is working in your favor.

If you still have your March 1946 CQ, look again on the cover and you'ss see a picture of Pat with his mobile rig--a 350 watt AM rig on 10 meters! Pat is a member of the Caterpillar Club, his life having been saved by a parachute in March '46 when he had to bail out of a two-engine C-45 over Memphis, Tenn. Pat now only works DX but he has had the opportunity to visit it, having been to 43 foreign countries, 47 states and 6 continents.

The thing about all this DX working is this--If you listen, you won't often hear W5VY transmitting. He spends his time listening, making a judgement of what band conditions are. Then he'll blast forth and have some rare country come back to him. Try it--you'll like it!!

Regards, Cal Graf, W5LFM.

.-- ....- .-..

LET'S GET ON 220

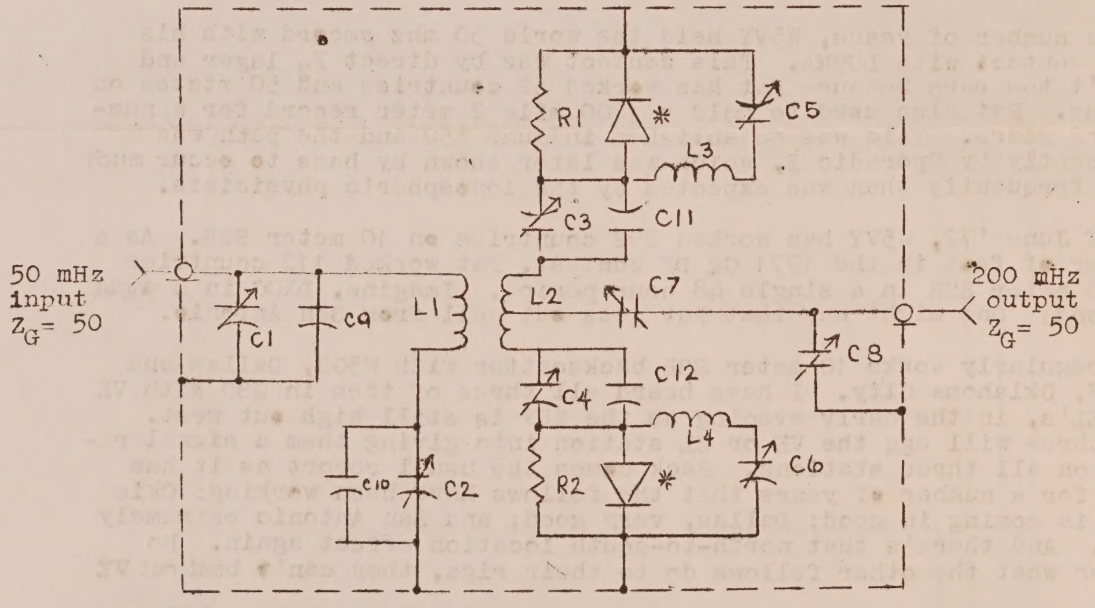
By W5ETG

In the very near future there will be a 220 mHz repeater in S.A. As the construction of an FM transmitter is a lot of work I have been considering alternative routes. One alternative is to convert a 2 meter transmitter to 220. Another alternative is the use of some high level mixing circuit. Both of these alternatives have the same fault--inefficiency in the P.A. Recently I had a chance to peruse some Motorola application notes on the use of varactors and the solution to medium power on 220 presented itself.

The material for this article was taken from Motorola's AN-177, "Two-stage Varactor Multiplier Provides High Power at 400 Mc". The Motorola people describe a varactor push-push quadrupler for 50 to 200 mHz that is apporximately 55% efficient and will handle input powers from 10 watts to 150 watts. The circuit uses two 1N4386's in a box about the size of a cigar box. Now for the bad part--they cost $29.10 each. This price represents a decrease from $43.00 in 1969 so they may get cheaper and/or there may be a cheaper substitute on the market now.

To operate the multiplier in the 220 mHz band it will require that the driver be above 55 mHz. At high power levels this will require good shielding. Since the circuit and the values of the components are for 50 and 200 mHz it may be necessary to make some minor changes to operate it on 55 and 220 mHz.

I would appreciate hearing from anyone who tries this circuit.

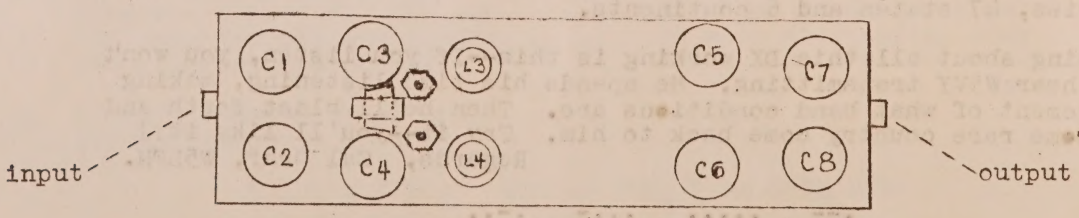


* Varactor

PARTS LIST

C1 - Hammarlund	MAPC-75	C9 - 20 pf	L1 - 3 Turns	1"	dia.	1/8"	tubing
C2	"	"	"	C10 - 32 pf	L2 - 6	"	5/8"	dia.	"	"
C3	"	"	"	C11 -140 pf	L3 - 2	"	13/16	dia.	"	"
C4	"	"	"	C12 -140 pf	L4 - 2	"	13/16	dia.	"	"
C5	"	"	50							
C6	"	"	50							
C7	"	"	25							
C8	"	"	25							

R1 - 68,000 ohms
R2 - 68,000 ohms



Layout (Not to scale)

SAN ANTONIO RADIO CLUB MEMBERS AS OF JULY 1, 1972

AHRENS,	Timothy	WA5VQK	Box 351,Comfort,Tx.	78013	995	3649
ALBRIGHT,	Roy	W5EYB	107 Rosemary	78209	822	7269
ALTSCHULER,	Bruce R	WB2AHW	PSC Bx 1179,Brooks AFB "35		732	4271 Ext. 377
ANDERSON,	Chris	WB5EEF	4127 Big Meadows	78230	696	7018
ARMSTRONG,	Aubrey G.	K5MOF	7503 Karen Skye Cir	78228	698	2564
BALUSEK,	Robert A.	K5OZF	8606 Wind Way	78239	653	0869
BARNES,	William E	WA5CBT	434 Windcrest Dr.	78239	655	4972
BARRY,	Jerry Jr.	K5AXN	3538 Crestmont Dr.	78217	653	0430
BECKER,	Charles D.	W5HYX	4242 Piedras E.Nr.111	"28		
BELK,	Roland U.	W5LLS	3615 Skylark	78210	534	8476
BETTIS,	William C.	W5GYW	543 Craigmont Ln	78213	342	6564
BIRDSONG,	Lynn		4331 Shadow	78217		
BOCKO,	Donald G.	W5ZDU	1810 Parnell Ave.	78224	923	2109
BORCHERS,	Bruce	W5KIX	210 Greenwick	78209	826	8819
BOX,	Frank	WA5VFM	1431 W. Hollywood	78201	734	5893
BOX,	Virginia	"	"	"		"
BRAUNSTEIN,	Carl	WA5DQG	434 Linda Dr.	78216	822	5876
BROTHERMAN,	John O.	K5BZZ	3730 Briarhill	78218	655	1148
BROWN,	Fred	K5ONC	6814 Stanwood	78213	344	2187
BRUEMMER,	John	W5LVE	1934 Arroya Vista	78213	344	5134
BRUEMMER,	Frances	W5KQG	"	"		"
BRYSON,	L. M.	WN5FRX	4814 West Ave.	78213	342	9328
BUCK,	Everett R.	W5SJP	Rt. 10 Box 232	78216	694	2414
CASTILLO,	Jesse G.	W5DTK	147 E. Baylor	78204	226	6986
CAMPBELL,	Larry	WN5GYJ	5146 Gawain	78218	653	5616
CLARK,	Mike	WB5FUS	5006 Village Path	78218	653	333
COFFEY,	T. Jeff,Jr.	WA5BNM	3102 Mindoro	78217	655	6483
CONNAWAY,	Jerry	W5KLV	110 Rosemont	78228	733	0653
CONNAWAY,	Mary Amy		"	"		"
CRISWELL,	Thomas F.Jr	W5MXK	4111 Mt. Laurel	78240	696	3576
CROUSE,	Harry M.	W5KCR	3703 John Alden	78230	696	3993
DAVIS,	Dean	W5BGE	1518 Santa Anna	78201	735	1622
DAVIS,	Maybelle		"	"		"
DAVIS,	Lynn	WN5EFS	1347 Highland Blvd.	78210	532	4476
DAVIS,	Raymond V.	W5HBI	250 Lemur	78213	342	8023
DECKER,	Howard	WA5ZDF	2142 W.Kings Hwy.	78201	732	3069
DeLAY,	Dan	W5DUI	2431 W. Mistletoe	78228	734	4739
DeLAY,	Peggy	WA5GZQ	"	"		"
DICKINSON,	Jon	WB5FWY	178 Brooks Pkwy	78214	922	3556
DISERENS,	Craig	WA5WGH	3130 Renker	78217	655	8255
DOUNSON,	Pepos	W5OSG	914 W. Mistletoe	78201		
DRIESSLEIN,	Homer	K5MEN	314 Basswood	78213	342	9775
EBEST,	Dallas	WA5OVF	311 Haverhill	78228	734	5453
EGGLESTON,	Les	WA5GOQ	230 Montpelier	78228	734	0698
EISENMAN,	Robert	WA5ICH	PO Bx 1365,Canyon Lake Hills Startzville, Texas	78130	899	2485
ELDER,	Guy A.	WB5FUG	131 Twiggs Rd.	78218	828	3222
ERB,	Mark	WN5GBW	207 Honeysuckle	78213	342	8471
ESSINGTON,	Les	W5BE	Rt.8 Bx. 287D	78228	698	2215
FRITZ,	Mike		5131 Village Court	78218	655	1185
FURHMAN,	Tom	WN5BKK	107 Morningside	78209	822	1050
GERWITZ,	Frank	W5QMH	3842 Crossette	78228	734	5598
GLASS,	Tom	WA5ULP	106 Wickford Way	78213		
GRAF,	Calvin R.	W5LFM	207 Zorina	78213	344	5032
HALE,	William C.	WA5OJC	5626 Ponderosa	78240	684	1200
HAM,	Brian		313 Skyforest	78232	694	2880
HARRIS,	M. D.	K5PKK	513 Nardac	78218	655	0437
HAYS,	Ned S.	WA5ZMV	624 Alta Ave.	78209	822	9373
HENDERSON,	John	WN5FJF	111 Howerton	78223	534	0956
HERSHMAN,	Boyd E.	WB5DTH	6714 Lucerne	78218	653	4811
HIGGINS,	Lawrence	W5QMU	2522 Old Hickory Trl.	78230	341	2910
Hodgdon,	Francis B.	WN5ERI	Rt.13,Bx.172S	78218	655	3607
HOGUE,	Jack	W4DAZ	5015 Sierra Madre	78233	653	1487
HUMLICEK,	Lawrence P.	WA5PAF	254 Future	78213	341	8092
HUMLICEK,	Barbara		"	"		"
HUNTER,	David	W5DUU	6013 Rue Sophie	78238	684	4657
INABNET,	H. M.	W5IYA	1754 Donaldson	78228	433	7182
JANK,	Gene	W5EJT	100 N. Winston Ln.	78213	342	2225
JANK,	Ruth	K5OPT	"	"		"
JARLEN,	Rolf	W5HWV	P.O.Bx. 16277	78216	344	8331
JENSEN,	Edgar	K5HSX	216 Pleasant Dr.	78201	734	0024
JOERG,	Charles N.	WA5JVX	263 W.Harding Blvd.	78221		
JOHNSTON,	Dan	W5YOY	P.O.Bx. 6703	78209		
JOHNSON,	Larry		125 Trillium	78213	344	8651
JONAS,	L. K.	W5EOS	5507 Keystone Dr.	78229	684	1384
JORDAN,	Frank	W5EDX	2334 W. Mulberry	78201	733	8978

JORDAN,	Mike		1427 Greer	78210	532	7919
KARPOWICZ,	Gregory	WA5AUM	138 Tabard Dr.	78213	736	0615
KENWORTHY,	Chuck	WB5FWI	906 Patricia	78213	342	4541
KAY,	Joe	W5RTP	1234 Oblate Dr.	78216	826	6760
KENNEDY,	C. B.	W5QDB	2618 Rigsby Ave.	78222		
KIRBY,	Harry	WA5QWR	114 Downing Dr.	78209	824	8740
LASTER,	Clay	W5ZPV	10915 Burr Oak	78230	344	8254
LOVE,	Boyd	WB5BDS	234 Barrett Pl.	78225	923	3831
MANGOLD,	Ivan	WA5RNV	8702 Post Oak Ln.	78218	826	6515
MANISCALCO,	Chuck	K5AIU	146 Mink Drive	78213	344	3230
MANN,	Tom	WA5SCB	157 Brooks Parkway	78214	924	4619
McDOWELL,	Ronnie	WB5FNS	354 Timberlane Dr.	78218	824	6588
McGEE,	Don	WA5FJN	7710 Meadowview Houston,Texas	77037	695	8802
McGRAW,	James E.	W5QB	1316 Giant Circle	78218	655	5369
McRENOLDS,	Rex	WN5CYQ	500 Travertine	78213	344	2667
MEAD,	Gary	WN5EFR	555 Kashmuir	78223	533	0639
MEYER,	Herbert A.	WB5CIA	134 Milford Dr.	78213	344	5865
MEYER,	Gilbert	WA5UNZ	Bx.54 Lytle,Tx.	78052		
MEYER,	Mary		"	"		
MEYERS,	Harry L.	WA5BZR	Rt.1 Bx 741,Adkins,Tx.	78101	649	2990
MILLER,	John	K5FVW	2414 Glen Ivy	78213	344	2439
MOHN,	John L.	W5MEU	Rt 4 Bx 399	78228	679	7004
MONTEMAYOR,	C. F.	W5JKC	9258 Theysen,Houston	77055		
MOORE,	Grant W.	W5DRO	118 Erskine Pl.	78201		
MUNSCH,	George	W5VPQ	11314 Janet Lee	78230	344	4191
MUNSCH,	Ella	W5TSE	"	"		"
NAUJOKS,	Richard	WB5FNW	449 Natalen,Apt.9	78209	828	6917
NAUJOKS,	Sharon		"	"		"
NELSON,	David L.		5th Army Band, Ft.Sam Houston,Tx.	78234	221	4026
NEMICK,	Ellis E.	W5PXR	531 Greenmeadow	78213	341	2140
OHMES,	Leonard	K5IEG	210 Milford	78213	344	5372
OLSON,	Dwight B.	W5PEK	P.O.Bx 86 Von Ormy,Tx.	78073	622	3816
OSBORN,	Robert R.	WA5JDU	2315 W.Kings Hwy.	78201	733	9474
PARKINSON,	Willard	WA5TOH	7922 Remuda	78227	674	5945
PARKS,	C. B.	W5UNE	319 Sinclair Rd.	78222	333	6364
PARRY,	William	K5TSR	4343 Bright Sun	78217	655	6285
PETERSON,	Shailer	W5PJ	5511 Keystone Dr.	78229	684	0449
PHILLIPS,	Claude	W5KJ	444 Hammond	78216	532	9330
PIPPIN,	John W.	WN5BST	P.O.Bx 871	78206	732	3962
RATNER,	Adam	WN5GFE	313 Tamworth	78213	344	6136
REED,	David F.		5123 Village Trail Dr.	78218	655	7641
RICHIE,	S. M.	W5AR	268 Lorenz Dr.	78209	826	4908
RICHTER,	Otto	W5FFA	135 Melba Dr.	78216		
RISCHER,	Carl	WA5RSE	5727 Ben Casey	78240	684	2922
RITTERMAN,	Mike	WN5GAI	1702 Santa Barbara	78201	734	6952
Rodriguez,	Robert	K5AUW	510 Fir Av.McAllen,Tx	78501		
ROLAND,	Floyd	W5JKU	1810 W. Hildebrand	78201	732	9275
ROSS,	Wm. J. B.Jr.	K5LLK	426 E. Myrtle	78212	225	3746
ROSSON,	Walter E.	K5RWJ	308 Tamworth	78213	344	4691
ROY,	James R.		3338 Yorktown Dr.	78230	696	1699
RUTLEDGE,	James E.	K5UKN	212 Placid	78228	735	8919
SARVIS,	Corky	WB5CIT	1338 Spanish Oaks	78213	341	8006
SCHNEIDER,	Otto L.	WA5UYE	Rt.15,Bx 196E	78228	695	3391
SCHNEIDER,	Laura	WN5FFP	" "	"		"
SETTLES,	Charles	W5UKN	5419 Knoll Krest Dr.	78242	674	6833
SMALL,	Paul	WA5EIU	238 Future	78213	344	6098
SMALLEY,	Jack	WB5ERQ	815 Afterglow Apt.24A	78216	341	5347
SMITH,	Burnley D.	K5ZJA	2651 W. Gramercy	78228	735	3476
SPARKS,	Ed	WN5ZEG	138 Vanderheck #7	78209	824	5454
SPENN,	W. C.	WA5QVD	1728 Mardell	78201	733	0159
SPIES,	Richard E.	WA5FOE	431 Club Dr.	78201	734	4788
STEVENS,	James Jr.	WN5EUU	5203 Charter Oak Dr.	78229	684	0656
STEWART,	Leo	W5IPL	113 N. Verde	78228	684	2539
TRAPPE,	Albert	WA5IBD	522 Sprucewood	78216	344	8082
TRAPPE,	Brenda		"	"		"
TRAPPE,	Linda		" Apt.11B			"
TYRA,	John	K5FTN	1502 Jackson Keller/	78201		
ULREY,	Lee	K5HZR	4215 Dysart Dr.	78220	333	0060
ELREY,	Emma		"	"		"
VIA,	Bob	WN5FDT	4100 Parkdale Apt.3312	78229	696	2754
WAGNER,	Melvin	WA5UTK	3159 E. Southcross	78223	533	0962
WALSTON,	William G.	W5GZJ	626 Fabulous Dr.	78216	341	5212
WARNER,	Clarence G.	W5HIV	247 Dawnview Ln.	78213	344	5520
WAY,	William A.	WA5QHG	215 Cheryl Dr. East	78228	433	5154
WAY,	Gladys S.		"	"		"

WHEATON,	Robert G.	W5PKK	Rt.2,Bx.324D	78228	695 8430
WHITWORTH,	Sidney P.	K5UBP	25610 Broad Oak Tr.	78228	698 2789
WIGTON,	Robert A.	WA5WON	7600 Military Dr.W.#50"27		674 0041
WIGTON,	Louan	WN5FYD	"	"	"
WILKERSON,	Allen D.	W5UPO	3821 Highcliff Dr.	78218	653 5477
WILLIAMS,	Earl	K5YNS	613 W.San Antonio San Marcos,Tex.	78666	
WILLIAMS,	George	W5KCV	3957 Willowbrook	78228	733 8028
WILLIAMS,	Lawrence		714 Olney Dr.	78209	822 0408
WILLS,	Harry	W5OHB	Rt.3 Bx.208CN	78218	651 6031
WORRELL,	Arthur	W5HKD	208 W. Woodlawn	78212	735 5710
WRIGHT,	Alan		712 Rittiman Rd.	78209	822 3286
YANTIS,	J. B.	K5RV	146 E. Sunshine	78228	732 2993

SARC MEMBERS JOINING JULY 7, 1972

BARBERIO,	Fidel	WA5LAM	5302 Newcome Dr.	78229	684 0271
HARRIS,	John	WB4QZW/5	729 Patch Rd. Ft. Sam Houston,Tx.	78234	226 6477
REED,	David	WA8VAQ	PSC Box 2378 Randolph AFB,Tex.	78148	652 2633

-.- -...- -..-

Letter to the Editor

Standing on the outside looking in, I can see a picture which is not quite as pleasant as it should be. This is directed at certain people, like club presidents, and excludes others, like those who are trying to do a good job.

For many months, Lee Ulrey K5HZR, has been pleading with all those in the Southern Texas Section of ARRL to accept a few responsibilities in the area of Public Service. The club presidents should have stressed the point and insisted on the acceptance of appointments. Non-club members should recognize that they have a talent not available the general public, and accept appointments with the responsibility to organize others in the area for the time when they might be able to render a service. It is not necessary to be a member of ARRL to join ARPSC.

Why not take the bull by the horns and write Lee. Simply ask, "What can I do in my area?" Lee will give you definite information. Thanks for listening.

Bob Glover W5VW.

-...- -...- -...-

FOR SALE: Hammarlund rcvr HQ110A w/ clock & speaker, $130. Corky WB5CIT, 341 8006.

-...- -...-

S P L A T T E R ! Ross K5LLK presented at 7 July SARC meeting a revised proposal of the club's constitution. This will be read at next 2 meetings.....FCC annual report for the year ending 30 June 1971 (repeat 1971) has just been released. The figure for authorized amateur stations maintains a fairly steady level: 275,451 in mid-1970;277,743 in mid-1971; and (informally a May 31, 1972 total of 276,246). The Citizens Radio Service, however, shows a continuing downtrend:886,851 in mid-1079; 868,013 in mid-1971,(and 849,691 the end of last month.) .....Trailer Travel, a national magazine of family camping, mentions 3 SARC amateurs: W5VPQ, W5EJT and W5LVE. The article was written by Karl K9AQJ and concerned the use of 2 M FM with a travel trailer and how he was guided thru SA and other places with its help.....At the STEN convention 9-11 June, Tom Lytle W5WR, Houston, was elected net control with R. E. "Army" Armstrong W5FA as his assistant. Roy W5EYB and Bob Pace WA5CJG (ex-SA-er) were on the program along with Phil WA5YRL and Dr. Dickie Arndt, NASA scientist. About 100 attended..... For the FM addicts, July QST sports 4 FM articles.....The medical relief ship S.S. Hope is now in Jamaica, and an agreement has been reached with that Government to permit third-party traffic handling by amateurs for purely personal messages of ship personnel to family and friends back home.....With the reversion of the Ryukyu Islands to Japan in mid-May, only U.S. military and associated civilian personnel can continue amateur operation (i.e., no dependents or civilians not service-connected); and even then the official title of such activity will be "auxiliary military radio system" rather than the amateur radio service. Third-party traffic, as well as mobile operation, heretofore permitted under U.S. jurisdiction, are banned.....Larry WB5CNX is highly satisfied with 40 m coaxial antenna he has just completed--says it has SWR of 1.8 at high end, 1.3 at low end 1.1 across the middle. The lead-in is cut to ¼ wave.

73, Dean W5BGE.

ARRL ARRL ARRL NEWS FROM THE DIRECTOR ARRL ARRL ARRL

Each month, ARRL Directors indicate their selection of the QST article which, in their opinion, represents the greatest reader interest in amateur radio, the highest degree of pertinent technical information, ease of readability, and best composition. The winning author is granted the ARRL Cover Plaque Award - a high honor indeed since it is testimony to his high degree of technical proficiency.

I am indeed happy to announce that this award has been won by West Gulf Assistant Director JOHN A. MASON, W5NSQ, 7727 La Risa Drive, Dallas, in recognition for his outstanding article, beginning on page 64, May, 1972 QST, entitled "Towards a National Plan for 2-Meter FM Channels." The plaque will be formally presented to Jack at the August Texas VHF-FM Society Convention in Austin.

* * * * * * * * * * * * * * * * * * *

The rush to obtain Life Membership in the League prior to the 1 July deadline was indeed tremendous. For the past several months my mail has included 5 to 10 notices of applications each day. Multiply this by 16 Divisions and it appears headquarters has been receiving something like 120 applications per day! Not surprising, of course, since it represented a saving of 20 bux, and insures against all future dues increases. However, even at the rate of $150.00 now in effect it is still a bargain.

* * * * * * * * * * * * * * * * * * *

A letter from our new ARRL President HARRY DANNALS, W2TUK, reconfirms his intention to attend Hamarama at Lake Texoma this coming October.

* * * * * * * * * * * * * * * * * * *

BILL BONNELL, W5TI and his Convention Planning Committee are completing preliminary work on the 1973 West Gulf Division ARRL Convention tentatively scheduled for the 2d Week-end in APRIL, at Western Hills Motel, Euless, Texas, between Dallas and Fort Worth. Details later.

* * * * * * * * * * * * * * * * * * *

Exact date of Oscar satellite launch this fall still not firm. The 2-meter uplink-10-meter down, ought to create a great deal of interest. I'd appreciate being kept informed of plans to participate, and details of equipment to be used.

* * * * * * * * * * * * * * * * * * *

San Antonio QCWA banner, and Chapter Secretary JOHN SHEAN, W5IPO, very much in evidence at the recent meeting at Tyler State Park. Incidentally, the Tyler meeting provided ye Director an opportunity to visit long-time friend W5CNO. Many of you remember the Scrur boys ED and TOM, W5APM, of San Marcos. ED has been living in Tyler several years . TOM still in San Marcos but hiding out on RTTY. Also our old time SARC member "MONTY" MONTEMAYOR, with his brand new call W5YZ was present.

* * * * * * * * * * * * * * * * * * *

The big crowds of both young squirts and old timers now attending the San Antonio Radio Club meetings is indeed most gratifying - there must be a reason!

* * * * * * * * * * * * * * * * * * *

The Directors meeting in Hartford this month appears to be mostly for administrative actions - few surprises of importance are expected - however, some four years on the board have taught me to be prepared for anything, Hi. The XYL & I are driving up east for this one. We should return about the end of July.

* * * * * * * * * * * * * * * * * * *

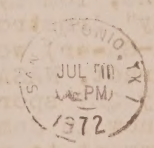
Your Director was mentioned in a most complimentary manner in the new issue of CQ. Quite different from the view expressed in another magazine a couple of years ago following the Midland Hamfest, Hi.

* * * * * * * * * * * * * * * * * * *

73, and remember: Amateur radio, and your local amateur radio club, is like a paper bag. We can get out of it only what we put in.

ROY L. ALBRIGHT, W5EYB, DIRECTOR, WEST GULF DIVISION, ARRL.

SAN ANTONIO RADIO CLUB
P. O. BOX _82
SAN ANTONIO, TEXAS



Geo Munsch W5VPQ
11314 Janet Lee
City 78230